



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 177168

TO: Joseph Woitach
Location: REM/2D51/2C18
Art Unit: 1632
Tuesday, January 24, 2006
Case Serial Number: 10/053753

From: Kristine Hensle
Location: Biotech-Chem Library
REM-1B69
Phone: (571) 272-4161

Kristine. Hensle@uspto.gov

Search Notes

Examiner Woitach,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Kristine Hensle
Librarian
STIC Biotech/Chem Library
(571)272-4161

STIC-Biotech/ChemLib

177/68

From: Woitach, Joseph
Sent: Friday, January 20, 2006 3:10 PM
To: STIC-Biotech/ChemLib
Subject: sequence search request for application 10053753

Hello,

I am preparing to allow 10/053,753.
Please do an interference search for SEQ ID NO: 4.

Thank you,
Joe

Joseph Woitach, Ph.D.
USPTO Patent Examiner, Art Unit 1632
Remsen Building 2-D51
400 Dulany Street
Alexandria, VA 22314

phone: (571) 272-0739

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JAN 20 2006
STIC

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

Pending Nucleic Acid and Pending Amino Acid database searches generate two sets of results each. The Pending databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Searches run against the Nucleic Acid Pending database produce two sets of results, with the extensions .rpm and .rpm

Searches run against the Amino Acid Pending database produce two sets of results, with the extensions .rpm and :rpm

Because they contain data that is confidential, the results of Pending database searches should not be left in the case.

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November 2005

Published Applications Nucleic Acid and Published Applications Amino Acid database searches now generate two sets of results each. The Published Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published Applications New databases; older published applications make up the Published Applications Main databases.

Searches run against Nucleic Acid Published Applications produce two sets of results, with the extensions **.rnpbm** (Published Applications_NA_Main) and **.rnpbn** (Published Applications_NA_New).

Searches run against Amino Acid Published Applications produce two sets of results, with the extensions **.rapbm** (Published Applications_AA_Main) and **.rapbn** (Published Applications_AA_New).

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OM protein - protein search, using sw model

Run on: January 24, 2006, 11:23:21 ; Search time 24 Seconds
(without alignments)
1312.476 Million cell updates/sec

Title: US-10-053-753A-4
Perfect score: 2116
Sequence: 1 MSSRIARALALVTLHLTR.....ANEAAFPYRLFDIHKFRD 381

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/1/aaa/5 COMB.pep.*
2: /cgn2_6/ptodata/1/aaa/6 COMB.pep.*
3: /cgn2_6/ptodata/1/aaa/H COMB.pep.*
4: /cgn2_6/ptodata/1/aaa/PCTUS COMB.pep.*
5: /cgn2_6/ptodata/1/aaa/RE COMB.pep.*
6: /cgn2_6/ptodata/1/aaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2116	100.0	381	2	US-09-142-569-4
2	2116	100.0	381	2	US-09-495-448A-4
3	2106	99.5	381	2	US-09-348-815-2
4	1971.5	93.2	374	1	US-08-468-847B-12
5	1964.5	92.8	375	1	US-08-459-101A-2
6	1929	91.2	379	1	US-08-468-847B-11
7	1929	91.2	379	2	US-09-142-569-2
8	1929	91.2	379	2	US-09-495-448A-2
9	1695	80.1	375	1	US-08-468-847B-13
10	1695	80.1	375	2	US-09-495-448A-33
11	953	45.0	347	2	US-09-582-337-2
12	952.5	45.0	348	2	US-09-292-036-3
13	948.5	44.8	348	1	US-08-468-847B-15
14	948.5	44.8	348	2	US-09-142-569-6
15	948.5	44.8	348	2	US-09-495-448A-6
16	948	44.8	347	2	US-09-187-478-2
17	948	44.8	347	2	US-09-292-036-2
18	947	44.8	349	1	US-08-167-628-2
19	947	44.8	349	1	US-08-386-680-2
20	947	44.8	349	1	US-08-459-717-2
21	947	44.8	349	1	US-08-712-302-2
22	947	44.8	349	1	US-08-880-031-2
23	947	44.8	349	2	US-09-054-368-2
24	947	44.8	349	2	US-09-097-179-2
25	947	44.8	349	2	US-09-054-274-2
26	947	44.8	349	2	US-09-080-715-2
27	947	44.8	349	2	US-09-056-704-2

28	947	44.8	349	2	US-09-252-036-4	Sequence 4, Appli
29	947	44.8	349	2	US-09-253-316-26	Sequence 26, Appli
30	947	44.8	349	2	US-09-142-569-8	Sequence 8, Appli
31	947	44.8	349	2	US-09-461-688-2	Sequence 2, Appli
32	947	44.8	349	2	US-09-495-448A-8	Sequence 8, Appli
33	947	44.8	349	2	US-09-949-016-6141	Sequence 6141, Ap
34	947	44.8	349	4	PCT-US96-08140-2	Sequence 2, Appli
35	938.5	44.4	348	1	US-08-468-847B-14	Sequence 14, Appli
36	851.5	40.2	351	1	US-08-468-847B-16	Sequence 16, Appli
37	851.5	40.2	351	2	US-09-495-448A-34	Sequence 34, Appli
38	827.5	39.1	357	1	US-08-468-847B-17	Sequence 17, Appli
39	827.5	39.1	357	2	US-09-253-316-25	Sequence 25, Appli
40	767	36.2	367	2	US-09-182-145-8	Sequence 4, Appli
41	767	36.2	367	2	US-09-182-145-8	Sequence 8, Appli
42	767	36.2	367	2	US-09-949-016-6430	Sequence 6430, Ap
43	767	36.2	370	2	US-09-949-016-10033	Sequence 10033, A
44	766	36.2	367	2	US-09-182-145-7	Sequence 7, Appli
45	766	36.2	367	2	US-09-182-145-22	Sequence 22, Appli

ALIGNMENTS

RESULT 1
US-09-142-569-4
; Sequence 4, Application US/09142569
; Patent No. 6413735
; GENERAL INFORMATION:
; APPLICANT: Lau, Lester F.
; TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/142.569
; FILING DATE: 02-Apr-1999
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28758/33766
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 381 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "Human Cys61 amino acid sequence"
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-142-569-4

Query Match 100.0%; Score 2116; DB 2; Length 381;
Best Local Similarity 100.0%; Pred. No. 4.6e-176;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSSRIARALALVTLHLTRALSTCPAACHPCPLAPKCAPGVGLVRGGCGCKYCAKOL 60
|||||

Db 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Qy 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRSRIYONGESFPQNCQH 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRSRIYONGESFPQNCQH 120
Qy 121 CTCIDGAVGCIPLCPQBELSLPNCNPNRLVKVTGQCCBEWVDEDSIKDPMEDQDGLLG 180
Db 121 CTCIDGAVGCIPLCPQBELSLPNCNPNRLVKVTGQCCBEWVDEDSIKDPMEDQDGLLG 180
Qy 181 KELGPDASEVELTRNNELIYVNGKRSKRLPVFGMEPRILYNPLOGKCIQVTTSSQCS 240
Db 181 KELGPDASEVELTRNNELIYVNGKRSKRLPVFGMEPRILYNPLOGKCIQVTTSSQCS 240
Qy 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLKKGKSKTKKSPPEPVFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLKKGKSKTKKSPPEPVFTY 300
Qy 301 AGCLSVKXRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSKCKYNCP 360
Db 301 AGCLSVKXRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSKCKYNCP 360
Qy 361 HANEAAFPFVRLFNHDKFRD 381
Db 361 HANEAAFPFVRLFNHDKFRD 381

RESULT 2

US-09-495-448A-4
; Sequence 4, Application US/09495448A
; Patent No. 6790606
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F.
; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALING MOLECULES
; FILE REFERENCE: 28758/36072
; CURRENT APPLICATION NUMBER: US/09/495,448A
; CURRENT FILING DATE: 2000-01-31
; PRIOR FILING DATE: 1999-04-02
; PRIOR FILING DATE: 1999-04-02
; PRIOR FILING DATE: 1996-03-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-495-448A-4

Query Match 100.0%; Score 2116; DB 2; Length 381;
Best Local Similarity 100.0%; Pred. No. 4.6e-176;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Qy 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRSRIYONGESFPQNCQH 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRSRIYONGESFPQNCQH 120
Qy 121 CTCIDGAVGCIPLCPQBELSLPNCNPNRLVKVTGQCCBEWVDEDSIKDPMEDQDGLLG 180
Db 121 CTCIDGAVGCIPLCPQBELSLPNCNPNRLVKVTGQCCBEWVDEDSIKDPMEDQDGLLG 180
Qy 181 KELGPDASEVELTRNNELIYVNGKRSKRLPVFGMEPRILYNPLOGKCIQVTTSSQCS 240
Db 181 KELGPDASEVELTRNNELIYVNGKRSKRLPVFGMEPRILYNPLOGKCIQVTTSSQCS 240
Qy 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLKKGKSKTKKSPPEPVFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLKKGKSKTKKSPPEPVFTY 300

Qy 301 AGCLSVKXRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSKCKYNCP 360
Db 301 AGCLSVKXRPKYCGSCVDGRCTPQLTTRTVKRFRCEDGETFSKNVMIQSKCKYNCP 360
Qy 361 HANEAAFPFVRLFNHDKFRD 381
Db 361 HANEAAFPFVRLFNHDKFRD 381

RESULT 3

US-09-348-815-2
; Sequence 2, Application US/09348815
; Patent No. 6534630
; GENERAL INFORMATION:
; APPLICANT: LI, HAODONG
; ADAMS, MARK D
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR-2
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSES: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/348,815
; FILING DATE: 08-Jul-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: JONATHAN L. KLEIN
; REGISTRATION NUMBER: 41,119
; REFERENCE/DOCKET NUMBER: PF126PID1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 381 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-348-815-2

Query Match 99.5%; Score 2106; DB 2; Length 381;
Best Local Similarity 99.5%; Pred. No. 3.4e-175;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALAVVTLHLTRALSTCPAAACHCPLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Qy 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRSRIYONGESFPQNCQH 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRSRIYONGESFPQNCQH 120
Qy 121 CTCIDGAVGCIPLCPQBELSLPNCNPNRLVKVTGQCCBEWVDEDSIKDPMEDQDGLLG 180
Db 121 CTCIDGAVGCIPLCPQBELSLPNCNPNRLVKVTGQCCBEWVDEDSIKDPMEDQDGLLG 180
Qy 181 KELGPDASEVELTRNNELIYVNGKRSKRLPVFGMEPRILYNPLOGKCIQVTTSSQCS 240
Db 181 KELGPDASEVELTRNNELIYVNGKRSKRLPVFGMEPRILYNPLOGKCIQVTTSSQCS 240
Qy 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLKKGKSKTKKSPPEPVFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVPRPCQOPVYSSLKKGKSKTKKSPPEPVFTY 300

QY 180 GKELGFDASVELTRNNELIANGKSLKELPVGMEPRILYNPLQOQKCIIVTTWSQ 239
DB 181 GKELGFDASVELTRNNELIANGKSLKELPVGMEPRILYNPLQOQKCIIVTTWSQ 240
QY 240 SKTCGTGISTRTVNDNPECELVKTRICEVPCGQPVYSSLLKGGKCKTKKSPVPVRF 299
DB 241 SKTCGTGISTRTVNDNPECELVKTRICEVPCGQPVYSSLLKGGKCKTKKSPVPVRF 300
QY 300 YAGCLSVKXKRPYKPCGSCVDGRCTPQLTRTVORFRCEDETFSSKNVMMIQSKCKNYNC 359
DB 301 YAGCLSVKXKRPYKPCGSCVDGRCTPQLTRTVORFRCEDETFSSKNVMMIQSKCKNYNC 360
QY 360 PHANEAAFPYRLP 373
DB 361 PHANEAAFPYRLP 374

RESULT 6

US-08-468-847B-11
; Sequence 11, Application US/08468847B
; Patent No. 5780263
; GENERAL INFORMATION:
; APPLICANT: Hastings, Gregg A. and Adams, Mark D.
; TITLE OF INVENTION: Human CCN-Like Growth Factor
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLIAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,847B
; FILING DATE: 6 June 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-442
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 379 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-468-847B-11

Query Match 91.2%; Score 1929; DB 1; Length 379;
Best Local Similarity 90.9%; Pred. No. 8.7e-160;
Matches 348; Conservative 10; Mismatches 19; Indels 6; Gaps 2;

QY 1 MSSRIARALAVVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSSTFRTLAVAVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTPQCDHTKGLGECNFGASSTALKGICRAQSEGRCEYNRSRYQNGESFQPCNKHQ 120
DB 61 NEDCSKTPQCDHTKGLGECNFGASSTALKGICRAQSEGRCEYNRSRYQNGESFQPCNKHQ 120

QY 121 CTCIDGAVGCIPLCQELSLPNCNPNRLVKVTCQCEBWCDEDSIKDPMEDODGLIG 180
DB 121 CTCIDGAVGCIPLCQELSLPNCNPNRLVKVTCQCEBWCDEDSIKDLDQDDLL-- 178
QY 181 KELGFDASVELTRNNELIANGKSLKELPVGMEPRILYNPL--QOQKCIIVTTWSQ 238
DB 179 --LGLDASVELTRNNELIANGKSLKELPVGTEPRVLFNPLHAHGKCIIVTTWSQ 236
QY 239 CSKTCGTGISTRTVNDNPECELVKTRICEVPCGQPVYSSLLKGGKCKTKKSPVPVRF 298
DB 237 CSKTCGTGISTRTVNDNPECELVKTRICEVPCGQPVYSSLLKGGKCKTKKSPVPVRF 296
QY 299 TYAGCLSVKXKRPYKPCGSCVDGRCTPQLTRTVORFRCEDETFSSKNVMMIQSKCKNYNC 358
DB 297 TYAGCLSVKXKRPYKPCGSCVDGRCTPQLTRTVORFRCEDETFSSKNVMMIQSKCKNYNC 356
QY 359 PHANEAAFPYRLPNDIHKPRD 381
DB 357 PHANEAAFPYRLPNDIHKPRD 379

RESULT 7

US-09-142-569-2
; Sequence 2, Application US/09142569
; Patent No. 6413735
; GENERAL INFORMATION:
; APPLICANT: Lau, Lester F.
; TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/142,569
; FILING DATE: 02-Apr-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28758/33766
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 379 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: "Mouse Cy+61 amino acid sequence"
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-142-569-2

Query Match 91.2%; Score 1929; DB 2; Length 379;
Best Local Similarity 90.9%; Pred. No. 8.7e-160;
Matches 348; Conservative 10; Mismatches 19; Indels 6; Gaps 2;

QY 1 MSSRIARALAVVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSSTFRTLAVAVTLHLTRALSTCPAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60

QY 61 NEDCSKTOPCDHTKGLCNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPCNCHQ 120
Db 61 NEDCSKTOPCDHTKGLCNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPCNCHQ 120
QY 121 CTCIDGAVGCIPLCPOELSLPGLGPNPRLVKTGQCCSEWVCDSDSKDPMEDODGLG 180
Db 121 CTCIDGAVGCIPLCPOELSLPGLGPNPRLVKTGQCCSEWVCDSDSKDPMEDODGLG 180
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Db 179 --LGLDASEVELTRNNELIAGKSLKRLPVFGTEPRVLFNPLHAHQCKIVOTTSWSQ 236
QY 239 CSKTCGTGISTRVNDNPECLVKTETRICVVRPCQPPVSSLKGGKCKTKKSPPEVRF 298
Db 237 CSKTCGTGISTRVNDNPECLVKTETRICVVRPCQPPVSSLKGGKCKTKKSPPEVRF 296
QY 299 TYAGCLSVKYPKPCYCGSCVDGRCTPQTRTVGRFRCEBGEFTSKNVMIOQCKCNYN 358
Db 297 TYAGCLSVKYPKPCYCGSCVDGRCTPQTRTVGRFRCEBGEFTSKNVMIOQCKCNYN 356
QY 359 CPHANEAAFPYRLFNHDKPRD 381
Db 357 CPHNEASFRILYSLFNHDKPRD 379

RESULT 8

US-09-495-448A-2
; Sequence 2, Application US/09495448A
; Patent No. 6790606
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F.
; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALLING MOLECULES
; FILE REFERENCE: 28758/36072
; CURRENT FILING DATE: 2000-01-31
; PRIOR FILING DATE: 09/142,569
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/013,958
; PRIOR FILING DATE: 1996-03-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-495-448A-2

Query Match 91.2%; Score 1929; DB 2; Length 379;
Best Local Similarity 90.9%; Pred. No. 8.7e-160;
Matches 348; Conservative 10; Mismatches 19; Indels 6; Gaps 2;

QY 1 MSSRIARALAVVTLHLTRIALSTCPAAACHPCLEAPKAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSSTFRTLAVAVTLHLTRIALSTCPAAACHPCLEAPKAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTOPCDHTKGLCNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPCNCHQ 120
Db 61 NEDCSKTOPCDHTKGLCNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPCNCHQ 120
QY 121 CTCIDGAVGCIPLCPOELSLPGLGPNPRLVKTGQCCSEWVCDSDSKDPMEDODGLG 180
Db 121 CTCIDGAVGCIPLCPOELSLPGLGPNPRLVKTGQCCSEWVCDSDSKDPMEDODGLG 180
QY 181 KELGPDASEVELTRNNELIAGKSLKRLPVFGMEPRILYNPL--OQCKIVOTTSWSQ 238
Db 179 --LGLDASEVELTRNNELIAGKSLKRLPVFGTEPRVLFNPLHAHQCKIVOTTSWSQ 236
QY 239 CSKTCGTGISTRVNDNPECLVKTETRICVVRPCQPPVSSLKGGKCKTKKSPPEVRF 298
Db 237 CSKTCGTGISTRVNDNPECLVKTETRICVVRPCQPPVSSLKGGKCKTKKSPPEVRF 296
QY 299 TYAGCLSVKYPKPCYCGSCVDGRCTPQTRTVGRFRCEBGEFTSKNVMIOQCKCNYN 358

Db 297 TYAGCLSVKYPKPCYCGSCVDGRCTPQTRTVGRFRCEBGEFTSKNVMIOQCKCNYN 356
QY 359 CPHANEAAFPYRLFNHDKPRD 381
Db 357 CPHNEASFRILYSLFNHDKPRD 379

RESULT 9

US-08-468-847B-13
; Sequence 13, Application US/08468847B
; Patent No. 5780263
; GENERAL INFORMATION:
; APPLICANT: Hastings, Gregg A. and Adams, Mark D.
; TITLE OF INVENTION: Human CCN-Like Growth Factor
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLIAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,847B
; FILING DATE: 6 June 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-442
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 375 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-468-847B-13

Query Match 80.1%; Score 1695; DB 1; Length 375;
Best Local Similarity 81.0%; Pred. No. 2e-139;
Matches 311; Conservative 20; Mismatches 41; Indels 12; Gaps 7;

QY 1 MSSRIARALAVVTLHLTRIALSTCPAAACHPCLEAPKAPGVGLVRDGGCCCKVCAKQL 59
Db 1 MSGAGARP-ALAAALLCLARIALGSPCAVQCQPAAPQCAPGVGLVDPGCCCKVCAKQL 59
QY 60 LNEDCSKTOPCDHTKGLCNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPCNCHQ 119
Db 60 LNEDCSKTOPCDHTKGLCNFGASSTALXGICRAQSEGRPCBYNSRIYQNGESFQPCNCHQ 119
QY 120 QCTCIDGAVGCIPLCPOELSLPGLGPNPRLVKTGQCCSEWVCDSDSKDPMEDODGLG 179
Db 120 QCTCIDGAVGCIPLCPOELSLPGLGPNPRLVKTGQCCSEWVCDSDSKDPMEDODGLG 177
QY 180 KGLGPDASEVELTRNNELIAGKSLKRLPVFGMEPR--RILYNPLQCKIVOTTSWS 237
Db 178 SKFGLDASEVELTRNNELIAGKSLKRLPVFGMEPR--RILYNPLQCKIVOTTSWS 232
QY 238 QCSKTCGTGISTRVNDNPECLVKTETRICVVRPCQPPVSSLKGGKCKTKKSPPEVRF 297

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Db 233 QCSKTCGTGISTRVNDNDPCKLIKETRICVVRPCQPSYASLKGKCTTKTKSPVR 292
QY 298 FTYAGCLSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 357
Db 293 FTYAGCSSVKRYRKYCGSVDRCTPQQTRVVKIRFRCDGGETFSKVMIIQSCRNY 352
QY 358 NCPHANEAAPPPYRLVNDIHFRD 381
Db 353 NCPHANE-AYPFYRLVNDIHFRD 375

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RESULT 10

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US-09-495-448A-33
; Sequence 33, Application US/09495448A
; Patent No. 6790606
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F.
; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALLING MOLECULES
; FILE REFERENCE: 28758/36072
; CURRENT APPLICATION NUMBER: US/09/495,448A
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 09/142,569
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: 60/013,958
; PRIOR FILING DATE: 1996-03-15
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 33
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Chicken
US-09-495-448A-33

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Query Match 80.1%; Score 1695; DB 2; Length 375;
Best Local Similarity 81.0%; Pred. No. 2e-139;
Matches 311; Conservative 20; Mismatches 41; Indels 12; Gaps 7;

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QY 1 MSSRIARALALVVTLLHLTRLAL-STCPAAACHPCLE-APKCAPGVGLVRDGGCCCKVCAK 59
Db 1 MGSAGARP-ALAAALLCLARLALGSPCAVQCPCAAAPQCAPGVGLVDPGGCCCKVCAK 59
QY 60 LNEDCSKTOPCDHTKGLCNFGASSTALKGICRAQSEGRPCRYNSRIYQNGESFPQPCQ 119
Db 60 LNEDCSKTOPCDHTKGLCNFGASPAATNGICRAQSEGRPCRYNSRIYQNGESFPQPCQ 119
QY 120 QCTCIDGAVGCIPLCPQELSLPNCPLRVKVTGQCEEWVCDSDIKDPMEDQGL 179
Db 120 QCTCIDGAVGCIPLCPQELSLPNCPLRVKVTGQCEEWVCDSDIKDPMEDQGL 177
QY 180 GKELGFDASEVELTRNNELIIVAGKRSKRLPVGMEP--RILYNPLOGQKCIQVTTWS 237
Db 178 SKFGLDASEGELTRNNELIIVKGLKMLPVFGSEFQSRAFENP----KCIQVTTWS 232
QY 238 QCSKTCGTGISTRVNDNDPCKLIKETRICVVRPCQPSYASLKGKCTTKTKSPVR 297
Db 233 QCSKTCGTGISTRVNDNDPCKLIKETRICVVRPCQPSYASLKGKCTTKTKSPVR 292
QY 298 FTYAGCLSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 357
Db 293 FTYAGCSSVKRYRKYCGSVDRCTPQQTRVVKIRFRCDGGETFSKVMIIQSCRNY 352
QY 358 NCPHANEAAPPPYRLVNDIHFRD 381
Db 353 NCPHANE-AYPFYRLVNDIHFRD 375

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RESULT 11

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US-09-582-337-2
; Sequence 2, Application US/09582337
; Patent No. 6562618
; GENERAL INFORMATION:
; APPLICANT: Japan Tobacco, Inc.

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; TITLE OF INVENTION: Monoclonal Antibody Against Connective Tissue Growth Factor
; FILE REFERENCE: J1-009PCT
; CURRENT APPLICATION NUMBER: US/09/582,337
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: JP P1997-367699
; PRIOR FILING DATE: 1997-12-25
; PRIOR APPLICATION NUMBER: JP P1998-356183
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Rat
US-09-582-337-2

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Query Match 45.0%; Score 953; DB 2; Length 347;
Best Local Similarity 46.2%; Pred. No. 6.8e-75;
Matches 176; Conservative 58; Mismatches 107; Indels 40; Gaps 7;
QY 1 MSSRIARALALVVTLLHLTRLAL-STCPAAACHPCLE-APKCAPGVGLVRDGGCCCKVCAK 58
Db 1 MLASVAGPVSLALVLLCTRPATGQDCSAQCQAREAAAPCPAGVSLVLDGCGCCRVCAK 60
QY 59 QLNEDCSKTOPCDHTKGLCNFGASSTALKGICRAQSEGRPCRYNSRIYQNGESFPQPCQ 118
Db 61 QLGELCTERDPCDPHKGLFCDFGSPANRKIGVCPAK-DGAPCVFGSVYRSGESFQSSCK 119
QY 119 HOCTCIDGAVGCIPLCPQELSLPNCPLRVKVTGQCEEWVCDSDIKDPMEDQGL 178
Db 120 YQCTCIDGAVGCVPLCSMDVRLSPDCFPFRVRVLPKCKCEEWVCDSDIKDPMEDQGL 167
QY 179 LGKELGFDASEVELTRNNELIIVAGKRSKRLPVGMEPRLYNPLOGQKCIQVTTWS 237
Db 168 -----KDRTVGPAALAAVYLETTFGDPPTM-----RANCLVQTTWS 205
QY 238 QCSKTCGTGISTRVNDNDPCKLIKETRICVVRPCQPSYASLKGKCTTKTKSPVR 297
Db 206 ACSKTCGNGISTRVNDNTFCRLKQSLCVRPCADLEBENIKKGGKCIPTPKIAPVK 265
QY 298 FTYAGCLSVKRYRKYCGSVDRCTPQLTRVVRFRCEBGETFSKNVMMIQSKCN 357
Db 266 FELSGCTSVKTYRAKFGCVCTGRCCTPHRTTTLVVFVKCPDGEIMKNNMFIKTCACHY 325
QY 358 NCPHANEAAPPPY--RLFNDI 376
Db 326 NCPGNDIFESLYTRKMYGDM 346

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RESULT 12

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US-09-292-036-3
; Sequence 3, Application US/09292036
; Patent No. 6358741
; GENERAL INFORMATION:
; APPLICANT: FIBROGEN, INC
; APPLICANT: SCHMIDT, Brian
; APPLICANT: ALLEN, Margaret
; APPLICANT: SVERDRUP, Fran
; APPLICANT: CARMICHAEL, David
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR (CTGF) AND METHODS OF USE
; FILE REFERENCE: FIB01100-1
; CURRENT APPLICATION NUMBER: US/09/292,036
; CURRENT FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: US 09/292,036
; PRIOR FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: US 09/187,478
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 3
; LENGTH: 348
; TYPE: PRT

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; ORGANISM: Mouse
; US-09-292-036-3
;
; LENGTH: 348 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-468-847B-15
;
; Query Match 44.8%; Score 952.5; DB 2; Length 348;
; Best Local Similarity 46.6%; Pred. No. 7.6e-75;
; Matches 178; Conservative 57; Mismatches 106; Indels 41; Gaps 8;
;
; QY 1 MSSRIARALALVVTLLHL-TRLAL-STCPAACHCPL-APKCAPGVGLVDCGCGCKVCA 57
; DB 1 MLASVAGPISLALVLLALCTRPATGQDCSAQCCAAEAAPHCPAGVSLVLDGCGCRVCA 60
;
; QY 58 KOLNEDCSKTQPCDHTKGLCNFGASSYALXGICRAQSEGRPCENYRIYQNGESFPQNC 117
; DB 61 KQLGELCTERDPCDHPKGLFCDFGSPANKKIGVCTAK-DGAPCVFGGSYVRSGESFQSSC 119
;
; QY 118 QHQCCTIDGAVGCIPLCPQELSLPNLGNPCNPLRVKVTGQCCBEWVCDSDSIKDPMEDQDG 177
; DB 120 KYQCTCLDGAAGVCPVLCSDMDVRLPSPDCFFPRRVKLPKCKCEWVCDP-----168
;
; QY 178 LLGKELGPDASEVELTRNNELIANGKRSKLRL-PVFGMEPRILYNPLQGOKCIYVOTTSW 236
; DB 169 -----KORTAVGPALAAAYRLEDTFGDPDTM-----RANCLVQTTEW 205
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; QY 237 SOCSKTCTGISTRTVNDNPECLVKEIRICVVRPCGQPVYSSLLKGGKCKSKTKSPBPV 296
; DB 206 SACSKTCTGISTRTVNDNPECLVKEIRICVVRPCGQPVYSSLLKGGKCKSKTKSPBPV 265
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; QY 297 RFTYAGCLSVKRYPKYKSCVDGRCCTPQLTRTVKMRPCBGDGTFTFSKNVMIQSKCN 356
; DB 266 KFELSGCTSVKTYRAKPGCVCTDGRCTPHTTILPVFEKCPDGBIMKKNMFIKTCACH 325
;
; QY 357 YNCPHANEAPFFY--RLFNDI 376
; DB 326 YNCPGNDNIFESLYYRKMYGDM 347
;
; RESULT 13
; US-08-468-847B-15
; Sequence 15, Application US/08468847B
; Patent No. 5780263
;
; GENERAL INFORMATION:
; APPLICANT: Hastings, Gregg A. and Adams, Mark D.
; TITLE OF INVENTION: Human CCN-Like Growth Factor
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSES: CARELLA, BYRNE, BAIN, GILFILLIAN,
; ADDRESSER: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,847B
; FILING DATE: 6 June 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-442
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 348 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-468-847B-15
;
; Query Match 44.8%; Score 948.5; DB 1; Length 348;
; Best Local Similarity 46.3%; Pred. No. 1.7e-74;
; Matches 177; Conservative 58; Mismatches 106; Indels 41; Gaps 8;
;
; QY 1 MSSRIARALALVVTLLHL-TRLAL-STCPAACHCPL-APKCAPGVGLVDCGCGCKVCA 57
; DB 1 MLASVAGPISLALVLLALCTRPATGQDCSAQCCAAEAAPHCPAGVSLVLDGCGCRVCA 60
;
; QY 58 KOLNEDCSKTQPCDHTKGLCNFGASSYALXGICRAQSEGRPCENYRIYQNGESFPQNC 117
; DB 61 KQLGELCTERDPCDHPKGLFCDFGSPANKKIGVCTAK-DGAPCVFGGSYVRSGESFQSSC 119
;
; QY 118 QHQCCTIDGAVGCIPLCPQELSLPNLGNPCNPLRVKVTGQCCBEWVCDSDSIKDPMEDQDG 177
; DB 120 KYQCTCLDGAAGVCPVLCSDMDVRLPSPDCFFPRRVKLPKCKCEWVCDP-----168
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; QY 178 LLGKELGPDASEVELTRNNELIANGKRSKLRL-PVFGMEPRILYNPLQGOKCIYVOTTSW 236
; DB 169 -----KORTAVGPALAAAYRLEDTFGDPDTM-----RANCLVQTTEW 205
;
; QY 237 SOCSKTCTGISTRTVNDNPECLVKEIRICVVRPCGQPVYSSLLKGGKCKSKTKSPBPV 296
; DB 206 SACSKTCTGISTRTVNDNPECLVKEIRICVVRPCGQPVYSSLLKGGKCKSKTKSPBPV 265
;
; QY 297 RFTYAGCLSVKRYPKYKSCVDGRCCTPQLTRTVKMRPCBGDGTFTFSKNVMIQSKCN 356
; DB 266 KFELSGCTSVKTYRAKPGCVCTDGRCTPHTTILPVFEKCPDGBIMKKNMFIKTCACH 325
;
; QY 357 YNCPHANEAPFFY--RLFNDI 376
; DB 326 YNCPGNDNIFESLYYRKMYGDM 347
;
; RESULT 14
; US-09-142-569-6
; Sequence 6, Application US/09142569
; Patent No. 6413735
;
; GENERAL INFORMATION:
; APPLICANT: Lau, Lester F.
; TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/142,569
; FILING DATE: 02-Apr-1999
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28758/33766
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELE: 25-3856
; INFORMATION FOR SEQ ID NO: 6:

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SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: "Flap12 amino acid sequence"

SEQUENCE DESCRIPTION: SEQ ID NO: 6;

US-09-142-569-6

Query Match

Best Local Similarity 44.8%; Score 948.5; DB 2; Length 348;

Matches 177; Conservative 58; Mismatches 106; Indels 41; Gaps 8;

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QY 1 MSSRIARALAVVTLHL-TRLAL-STCPAAHCPLLE-APKCAPGVGLVRDGGCCCKVCA 57
DB 1 MLASVAGPISLALVLLALCTRPATGQDCSAQCQCAAEAPHCPAGVSLVLDGCGCCRVCA 60
QY 58 KQLNEDCSKTQPCDHTKGLCNFGASSTALKGI CQAQSEGRPCYNRIYONGESFPQNC 117
DB 61 KQLGELCTERDPCDPKHGLFCDFGSPANRKIGVCTAK-DGAPCVFGSVYRSGESFQSSC 119
QY 118 QHOCTCIDGAVGCIPLCPQELSPLNLCNPNRLVKVTGQCCBEWVCDDESIKDPMEDQDG 177
DB 120 KYQCTCLDGAAGCVPLCSMDVRLPSPDCPPFRVRLPGKCKEWCDEP----- 168
QY 178 LLGKELGFDASEVELTRNNELIAGKRSKLRL-PVFGMEPRILYNPLOGQKCI VOTTSW 236
DB 169 -----KORTAVGPALAAAYRLEDTFGDPDTMM-----RANCLVQTTEW 205
QY 237 SQCSKTGCGTIGISTRVTNDNPECLVKETRICVVRPCGQPVYSSLKKGKCKSKTKSPPEV 296
DB 206 SACSCTCGMGISTRVTNDNTFCRLKQSLCWVRPCEADLEENIKGKCKCIRTPTKIAKPV 265
QY 297 RFTYAGCLSVKKYRPKYCGSVDRCCCTPQLTRTVVQRFCEDGETFSKNVMMIOSCKN 356
DB 266 KPELSGCTSVKTYRAKFCGCTDGRCCCTPHRTTTLPVFEKCPDGEIMKKNMFIKTCACH 325
QY 357 YNCPHANEAAFPFY--RLFNDI 376
DB 326 YNCPGNDIFESLYYRKMVGDM 347
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RESULT 15

US-09-495-448A-6

Sequence 6, Application US/09495448A

Patent No. 6790606

GENERAL INFORMATION:

APPLICANT: LAU, Lester F.

TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALLING MOLECULES

FILE REFERENCE: 28758/36072

CURRENT APPLICATION NUMBER: US/09/495,448A

CURRENT FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 09/142,569

PRIOR FILING DATE: 1999-04-02

PRIOR APPLICATION NUMBER: 60/013,958

PRIOR FILING DATE: 1996-03-15

NUMBER OF SEQ ID NOS: 34

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6

LENGTH: 348

TYPE: PRT

ORGANISM: Mus musculus

US-09-495-448A-6

Query Match

Best Local Similarity 44.8%; Score 948.5; DB 2; Length 348;

Matches 177; Conservative 58; Mismatches 106; Indels 41; Gaps 8;

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QY 1 MSSRIARALAVVTLHL-TRLAL-STCPAAHCPLLE-APKCAPGVGLVRDGGCCCKVCA 57
DB 1 MLASVAGPISLALVLLALCTRPATGQDCSAQCQCAAEAPHCPAGVSLVLDGCGCCRVCA 60
QY 58 KQLNEDCSKTQPCDHTKGLCNFGASSTALKGI CQAQSEGRPCYNRIYONGESFPQNC 117
DB 61 KQLGELCTERDPCDPKHGLFCDFGSPANRKIGVCTAK-DGAPCVFGSVYRSGESFQSSC 119
QY 118 QHOCTCIDGAVGCIPLCPQELSPLNLCNPNRLVKVTGQCCBEWVCDDESIKDPMEDQDG 177
DB 120 KYQCTCLDGAAGCVPLCSMDVRLPSPDCPPFRVRLPGKCKEWCDEP----- 168
QY 178 LLGKELGFDASEVELTRNNELIAGKRSKLRL-PVFGMEPRILYNPLOGQKCI VOTTSW 236
DB 169 -----KORTAVGPALAAAYRLEDTFGDPDTMM-----RANCLVQTTEW 205
QY 237 SQCSKTGCGTIGISTRVTNDNPECLVKETRICVVRPCGQPVYSSLKKGKCKSKTKSPPEV 296
DB 206 SACSCTCGMGISTRVTNDNTFCRLKQSLCWVRPCEADLEENIKGKCKCIRTPTKIAKPV 265
QY 297 RFTYAGCLSVKKYRPKYCGSVDRCCCTPQLTRTVVQRFCEDGETFSKNVMMIOSCKN 356
DB 266 KPELSGCTSVKTYRAKFCGCTDGRCCCTPHRTTTLPVFEKCPDGEIMKKNMFIKTCACH 325
QY 357 YNCPHANEAAFPFY--RLFNDI 376
DB 326 YNCPGNDIFESLYYRKMVGDM 347
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 24, 2006, 11:27:37 / Search time 115 Seconds
(without alignments)
1384.287 Million cell updates/sec

Title: US-10-053-753A-4

Perfect score: 2116
Sequence: 1 MSSRIARALVTLHLTR.....ANEAAFPYRLFNDHKFRD 381

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	ID	Description
1	2116	100.0	381 4	US-10-053-753-4
2	2116	100.0	381 4	US-10-182-432-4
3	2116	100.0	381 4	US-10-312-459-6
4	2116	100.0	381 5	US-10-902-895-4
5	2106	99.5	381 3	US-09-901-910-2
6	2106	99.5	381 4	US-10-294-796-2
7	2106	99.5	381 4	US-10-394-015-5
8	2106	99.5	381 4	US-10-099-322-42
9	2106	99.5	381 4	US-10-044-564-42
10	2106	99.5	381 4	US-10-464-368-61
11	2106	99.5	381 4	US-10-381-644-2
12	2106	99.5	381 4	US-10-312-459-2
13	2106	99.5	381 5	US-10-454-246-170
14	2106	99.5	381 5	US-10-454-246-172
15	2106	99.5	386 5	US-10-454-246-152
16	2106	99.5	399 5	US-10-454-246-166
17	2106	99.5	408 5	US-10-454-246-160
18	2106	99.5	455 3	US-09-925-301-1432
19	2103	99.4	381 4	US-10-099-322-43
20	2103	99.4	381 4	US-10-044-564-43
21	2100	99.2	381 4	US-10-099-322-44
22	2100	99.2	381 4	US-10-044-564-44
23	2098	99.1	381 4	US-10-205-823-84
24	2098	99.1	381 4	US-10-099-322-2
25	2098	99.1	381 4	US-10-099-322-41
26	2098	99.1	381 4	US-10-044-564-2
27	2098	99.1	381 4	US-10-044-564-41

28 2098 99.1 381 5 US-10-454-246-150 Sequence 150, Appl
29 2098 99.1 381 6 US-11-051-454-84 Sequence 84, Appl
30 2091 98.8 381 5 US-10-454-246-174 Sequence 174, Appl
31 2001 94.6 370 5 US-10-454-246-162 Sequence 162, Appl
32 2001 94.6 370 5 US-10-454-246-168 Sequence 168, Appl
33 1994 94.2 356 5 US-10-454-246-164 Sequence 164, Appl
34 1971.5 93.2 374 3 US-09-853-625B-12 Sequence 12, Appl
35 1971.5 93.2 375 3 US-09-901-910-7 Sequence 7, Appl
36 1929 91.2 379 4 US-09-853-625B-11 Sequence 11, Appl
37 1929 91.2 379 4 US-10-053-753-2 Sequence 2, Appl
38 1929 91.2 379 4 US-10-099-322-45 Sequence 45, Appl
39 1929 91.2 379 4 US-10-182-432-2 Sequence 2, Appl
40 1929 91.2 379 4 US-10-044-564-45 Sequence 45, Appl
41 1929 91.2 379 4 US-10-464-368-60 Sequence 60, Appl
42 1929 91.2 379 4 US-10-627-604-11 Sequence 11, Appl
43 1929 91.2 379 5 US-10-902-895-2 Sequence 2, Appl
44 1929 91.2 379 5 US-10-627-604-11 Sequence 11, Appl
45 1928 91.1 379 4 US-10-464-368-62 Sequence 62, Appl

ALIGNMENTS

RESULT 1
US-10-053-753-4
Sequence 4, Application US/10053753
Publication No. US20020150986A1
GENERAL INFORMATION:
APPLICANT: Lau, Lester F.
TITLE OF INVENTION: Extracellular Matrix Signalling Molecules
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/10/053,753
FILING DATE: 22-Jan-2002
CLASSIFICATION: Unknown
ATTORNEY/AGENT INFORMATION:
NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28758/33766
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 381 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: "Human Cyt61 amino acid sequence"

Query Match 100.0%; Score 2116; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSSRIARALVTLHLTRALSTCPAACHPCAPGVGLVRDGGCCCKVCAKQL 60
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Db 1 MSSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLGECNFGASSTALKGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLGECNFGASSTALKGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCSEWVDEDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCSEWVDEDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKPLVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
Db 181 KELGPDASEVELTRNNELIANGKSLKPLVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKEITRICEVRPCQPVYSSLKKGKCKTKKSPVPVFTY 300
Db 241 KTCGTGISTRVNDNPECLVKEITRICEVRPCQPVYSSLKKGKCKTKKSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
QY 361 HANEAAFPFYLFLNDIHKFRD 381
Db 361 HANEAAFPFYLFLNDIHKFRD 381

RESULT 2

US-10-182-432-4
; Sequence 4, Application US/10182432
; Publication No. US20040002124A1
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F., YEUNG, Cho-Yau, and GREENSPAN, Jeffrey A.
; TITLE OF INVENTION: CYR61 COMPOSITIONS AND METHODS
; FILE REFERENCE: 214448/00029
; CURRENT APPLICATION NUMBER: US/10/182,432
; CURRENT FILING DATE: 2002-07-26
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 4
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-182-432-4

Query Match 100.0%; Score 2116; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
Db 1 MSSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLGECNFGASSTALKGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLGECNFGASSTALKGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCSEWVDEDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCSEWVDEDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKPLVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
Db 181 KELGPDASEVELTRNNELIANGKSLKPLVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKEITRICEVRPCQPVYSSLKKGKCKTKKSPVPVFTY 300
Db 241 KTCGTGISTRVNDNPECLVKEITRICEVRPCQPVYSSLKKGKCKTKKSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360

QY 361 HANEAAFPFYLFLNDIHKFRD 381
Db 361 HANEAAFPFYLFLNDIHKFRD 381

RESULT 3

US-10-312-459-6
; Sequence 6, Application US/10312459
; Publication No. US20040008504A1
; GENERAL INFORMATION:
; APPLICANT: Sampath, Deepak
; APPLICANT: Zhang, Zhiming
; APPLICANT: Winneker, Richard
; TITLE OF INVENTION: Cyr61 as a Target for Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 00630100H200-US2
; CURRENT APPLICATION NUMBER: US/10/312,459
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 60/213,182
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/291,510
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: PCT/US01/19823
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-459-6

Query Match 100.0%; Score 2116; DB 4; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MSSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
Db 1 MSSRIARALAVVTLHLTRLALSTCPAACHCPLAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLGECNFGASSTALKGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLGECNFGASSTALKGICRAQSEGRPCYNRIYQNGSFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCSEWVDEDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCSEWVDEDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKPLVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
Db 181 KELGPDASEVELTRNNELIANGKSLKPLVFGMEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKEITRICEVRPCQPVYSSLKKGKCKTKKSPVPVFTY 300
Db 241 KTCGTGISTRVNDNPECLVKEITRICEVRPCQPVYSSLKKGKCKTKKSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMRFCEDGETFSKNVMMIQSKCKNYNCP 360
QY 361 HANEAAFPFYLFLNDIHKFRD 381
Db 361 HANEAAFPFYLFLNDIHKFRD 381

RESULT 4

US-10-902-895-4
; Sequence 4, Application US/10902895
; Publication No. US20050005316A1
; GENERAL INFORMATION:
; APPLICANT: LAU, Lester F.
; TITLE OF INVENTION: EXTRACELLULAR MATRIX SIGNALING MOLECULES
; FILE REFERENCE: 05031.0003.DVUS03
; CURRENT APPLICATION NUMBER: US/10/902,895

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/ CURRENT FILING DATE: 2004-07-30
/ PRIOR APPLICATION NUMBER: 09/495,448
/ PRIOR FILING DATE: 2000-01-31
/ PRIOR APPLICATION NUMBER: 09/142,569
/ PRIOR FILING DATE: 1999-04-02
/ PRIOR APPLICATION NUMBER: 60/013,958
/ PRIOR FILING DATE: 1996-03-15
/ NUMBER OF SEQ ID NOS: 34
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 4
/ LENGTH: 381
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ ORGANISM: Homo sapiens
US-10-902-895-4

Query Match 100.0%; Score 2116; DB 5; Length 381;
Best Local Similarity 100.0%; Pred. No. 3.4e-162;
Matches 381; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVRDGGCGCKVCAKQL 60
DB 1 MSSRIARALALVVTLLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCFYNRSRIYQNGESFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCFYNRSRIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLGCPNRLVKVTGOCCEWVCDSDSIKDPMEDQDGLLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPGLGCPNRLVKVTGOCCEWVCDSDSIKDPMEDQDGLLG 180
QY 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLNPLQOKKCIQVTTSSQCS 240
DB 181 KELGPDASEVELTRNNELIANGKRSLSKRLPVFGMEPRILYNPLNPLQOKKCIQVTTSSQCS 240
QY 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLKKGKSKTKGSPVPVFTY 300
DB 241 KTCGTGISTRVTNDNPECLVKETRICEVRPCGQPVYSSLKKGKSKTKGSPVPVFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDRGCTTQTLTRTVKPRCEDEGETFSKNVMMIQSCCKNINCP 360
DB 301 AGCLSVKKYRPKYCGSCVDRGCTTQTLTRTVKPRCEDEGETFSKNVMMIQSCCKNINCP 360
QY 361 HANEAAFPFYLNDIHKFRD 381
DB 361 HANEAAFPFYLNDIHKFRD 381

RESULT 5
US-09-901-910-2
/ Sequence 2, Application US/09901910
/ Publication No. US20030012768A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Haodong
/ APPLICANT: Adams, Mark
/ APPLICANT: Calenda, Valerie
/ TITLE OF INVENTION: Connective Tissue Growth Factor-2
/ FILE REFERENCE: PP126P2
/ CURRENT APPLICATION NUMBER: US/09/901,910
/ PRIOR FILING DATE: 2001-07-11
/ PRIOR APPLICATION NUMBER: 09/348,815
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: 08/459,101
/ PRIOR FILING DATE: 1995-06-02
/ PRIOR APPLICATION NUMBER: PCT/US94/07736
/ PRIOR FILING DATE: 1994-07-12
/ NUMBER OF SEQ ID NOS: 8
/ SOFTWARE: Patent in version 3.0
/ SEQ ID NO 2

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVRDGGCGCKVCAKQL 60
DB 1 MSSRIARALALVVTLLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCFYNRSRIYQNGESFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCFYNRSRIYQNGESFQPNCHQ 120

RESULT 6
US-10-294-796-2
/ Sequence 2, Application US/10294796
/ Publication No. US20030078391A1
/ GENERAL INFORMATION:
/ APPLICANT: Li, Haodong et al.
/ TITLE OF INVENTION: Connective Tissue Growth Factor-2
/ FILE REFERENCE: PP126PID2
/ CURRENT APPLICATION NUMBER: US/10/294,796
/ CURRENT FILING DATE: 2002-11-15
/ PRIOR APPLICATION NUMBER: US 09/348,815
/ PRIOR FILING DATE: 1999-07-08
/ PRIOR APPLICATION NUMBER: US 08/459,101
/ PRIOR FILING DATE: 1995-06-02
/ PRIOR APPLICATION NUMBER: PCT/US94/07736
/ PRIOR FILING DATE: 1994-07-12
/ NUMBER OF SEQ ID NOS: 6
/ SOFTWARE: Patent in version 3.1
/ SEQ ID NO 2
/ LENGTH: 381
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ ORGANISM: Homo sapiens
US-10-294-796-2

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVRDGGCGCKVCAKQL 60
DB 1 MSSRIARALALVVTLLHLTRLALSTCPAAACHCPLEAPKCAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCFYNRSRIYQNGESFQPNCHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCFYNRSRIYQNGESFQPNCHQ 120
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QY 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIAGKGRSLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIAGKGRSLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPPEVRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMFRCEDGETFSKNVMIQSKCNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMFRCEDGETFSKNVMIQSKCNYNCP 360
QY 361 HANEAAFPFYLFDNDIHKFRD 381
Db 361 HANEAAFPFYLFDNDIHKFRD 381

RESULT 7

US-10-394-015-5
; Sequence 5, Application US/10394015
; Publication No. US20030180891A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Connective Tissue Growth Factor-4
; FILE REFERENCE: PF467
; CURRENT APPLICATION NUMBER: US/10/394,015
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/325,019
; PRIOR FILING DATE: 1999-06-03
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/088,320
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-05
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 5
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-394-015-5

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIAGKGRSLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIAGKGRSLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPPEVRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMFRCEDGETFSKNVMIQSKCNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMFRCEDGETFSKNVMIQSKCNYNCP 360

QY 361 HANEAAFPFYLFDNDIHKFRD 381
Db 361 HANEAAFPFYLFDNDIHKFRD 381

RESULT 8

US-10-099-322-42
; Sequence 42, Application US/10099322
; Publication No. US20030215449A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240CIP
; CURRENT APPLICATION NUMBER: US/10/099,322
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,029
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 42
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-099-322-42

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRIALSTCPAAACHCPLKAPKAPGVGLVRDGGCGCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRIYQNGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNRIYQNGESFQPNCHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPGLNCPNRLVKVTGQCCEWVCDSDSIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIAGKGRSLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
Db 181 KELGPDASEVELTRNNELIAGKGRSLKRLPVFGMEPRILYNPLQGCKCIQVOTTSWSQS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPPEVRFTY 300
Db 241 KTCGTGISTRVNDNPECLVKETRICVRPCGQPVYSSLKGGKCKTKKSPPEVRFTY 300
QY 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMFRCEDGETFSKNVMIQSKCNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTPQTRTVKMFRCEDGETFSKNVMIQSKCNYNCP 360
QY 361 HANEAAFPFYLFDNDIHKFRD 381
Db 361 HANEAAFPFYLFDNDIHKFRD 381

RESULT 9


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US-10-044-564-42
; Sequence 42, Application US/10044564
; Publication No. US20040018196A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240
; CURRENT APPLICATION NUMBER: US/10/044,564
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 42
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-044-564-42

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60

QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120

QY 121 CTCIDGAVGCIPLCPQELSLPNLGCPNRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNLGCPNRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180

QY 181 KELGFDASEVELTRNNELIAGKRSLLKLLPVFGMEPRILYNPLOGQKCIIVTTTWSQCS 240
Db 181 KELGFDASEVELTRNNELIAGKRSLLKLLPVFGMEPRILYNPLOGQKCIIVTTTWSQCS 240

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Db 241 KTCGTGISTRVTNDNPECLVKETRICVRPCGQPVYSSLKGGKCKSKTKKSPPEVPTY 300

QY 301 AGCLSVKKYRPKYCGSCVDGRCTTQPLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTTQPLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360

QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 10
US-10-464-368-61
; Sequence 61, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Ellices, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017

US-10-044-564-42
; Sequence 42, Application US/10044564
; Publication No. US20040018196A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240
; CURRENT APPLICATION NUMBER: US/10/044,564
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 42
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-044-564-42

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60

QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120

QY 121 CTCIDGAVGCIPLCPQELSLPNLGCPNRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNLGCPNRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180

QY 181 KELGFDASEVELTRNNELIAGKRSLLKLLPVFGMEPRILYNPLOGQKCIIVTTTWSQCS 240
Db 181 KELGFDASEVELTRNNELIAGKRSLLKLLPVFGMEPRILYNPLOGQKCIIVTTTWSQCS 240

QY 241 KTCGTGISTRVTNDNPECLVKETRICVRPCGQPVYSSLKGGKCKSKTKKSPPEVPTY 300
Db 241 KTCGTGISTRVTNDNPECLVKETRICVRPCGQPVYSSLKGGKCKSKTKKSPPEVPTY 300

QY 301 AGCLSVKKYRPKYCGSCVDGRCTTQPLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTTQPLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360

QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 10
US-10-464-368-61
; Sequence 61, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Ellices, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017

US-10-044-564-42
; Sequence 42, Application US/10044564
; Publication No. US20040018196A1
; GENERAL INFORMATION:
; APPLICANT: Mezes et al.
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-240
; CURRENT APPLICATION NUMBER: US/10/044,564
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/261,014
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,018
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/318,410
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/261,026
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/313,170
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 61
; LENGTH: 381
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-10-464-368-61

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60
Db 1 MSSRIARALALVVTLLHLTRALSTCPAAACHPCLEAPKCAPGVGLVRDGGCCCKVCAKQL 60

QY 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120
Db 61 NEDCSKTQPCDHTKGLCNFGASSTALKGICRAOSEGRPCYNRIYONGESFQPNCHQ 120

QY 121 CTCIDGAVGCIPLCPQELSLPNLGCPNRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180
Db 121 CTCIDGAVGCIPLCPQELSLPNLGCPNRLVKVTGQCCCEWVCDSDSIKDPMEDQDGLG 180

QY 181 KELGFDASEVELTRNNELIAGKRSLLKLLPVFGMEPRILYNPLOGQKCIIVTTTWSQCS 240
Db 181 KELGFDASEVELTRNNELIAGKRSLLKLLPVFGMEPRILYNPLOGQKCIIVTTTWSQCS 240

QY 241 KTCGTGISTRVTNDNPECLVKETRICVRPCGQPVYSSLKGGKCKSKTKKSPPEVPTY 300
Db 241 KTCGTGISTRVTNDNPECLVKETRICVRPCGQPVYSSLKGGKCKSKTKKSPPEVPTY 300

QY 301 AGCLSVKKYRPKYCGSCVDGRCTTQPLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360
Db 301 AGCLSVKKYRPKYCGSCVDGRCTTQPLTRTVKMFRCEDGETFSKNVMMIOSCKNYNCP 360

QY 361 HANEAAFPFYRLFNDIHKFRD 381
Db 361 HANEAAFPFYRLFNDIHKFRD 381

RESULT 11
US-10-381-644-2
; Sequence 2, Application US/10381644
; Publication No. US20040023910A1
; GENERAL INFORMATION:
; APPLICANT: American Home Products Corporation
; APPLICANT: Zhang, Zhiming
; APPLICANT: Sampath, Deepak
; APPLICANT: Zhu, Yuan
; APPLICANT: Winnekar, Richard
; TITLE OF INVENTION: Use of Cyr61 in the treatment and
; FILE REFERENCE: AM100352
; CURRENT APPLICATION NUMBER: US/10/381,644
; CURRENT FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: 60/236,887
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-381-644-2

Query Match          99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLPAKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLPAKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCKHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCKHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVCDESDIKDPMEDQDGLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVCDESDIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGNEPRILYNPLOGQKCIQVTTWSQCS 240
DB 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGNEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPBPVRTY 300
DB 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPBPVRTY 300
QY 301 AGCLSVKKYRKYCGSDGRCCTPQLTRTVKQRFCEDETFSSKNVMMIQSCKCNYNCP 360
DB 301 AGCLSVKKYRKYCGSDGRCCTPQLTRTVKQRFCEDETFSSKNVMMIQSCKCNYNCP 360
QY 361 HANEAAFPFYLFDIHKFRD 381
DB 361 HANEAAFPFYLFDIHKFRD 381

RESULT 12

US-10-312-459-2
; Sequence 2, Application US/10312459
; Publication No. US20040086504A1
; GENERAL INFORMATION:
; APPLICANT: Sampath, Deepak
; APPLICANT: Zhang, Zhiming
; APPLICANT: Winneker, Richard
; TITLE OF INVENTION: Cy61 as a Target for Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 00630100H200-US2
; CURRENT APPLICATION NUMBER: US/10/312,459
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: US 60/213,182
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: US 60/291,510
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: PCT/US01/19823
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-459-2

Query Match 99.5%; Score 2106; DB 4; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLPAKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLPAKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCKHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCKHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVCDESDIKDPMEDQDGLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVCDESDIKDPMEDQDGLG 180
QY 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGNEPRILYNPLOGQKCIQVTTWSQCS 240

DB 181 KELGPDASEVELTRNNELIANGKSLKRLPVFGNEPRILYNPLOGQKCIQVTTWSQCS 240
QY 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPBPVRTY 300
DB 241 KTCGTGISTRVNDNPECLVKETRICVVRPGQPVYSSLLKGGKCKSKTKKSPBPVRTY 300
QY 301 AGCLSVKKYRKYCGSDGRCCTPQLTRTVKQRFCEDETFSSKNVMMIQSCKCNYNCP 360
DB 301 AGCLSVKKYRKYCGSDGRCCTPQLTRTVKQRFCEDETFSSKNVMMIQSCKCNYNCP 360
QY 361 HANEAAFPFYLFDIHKFRD 381
DB 361 HANEAAFPFYLFDIHKFRD 381

RESULT 13

US-10-454-246-170
; Sequence 170, Application US/10454246
; Publication No. US20050053930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 B
; CURRENT APPLICATION NUMBER: US/10/454,246
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/218,903
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 10/016,248
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/255,648
; PRIOR FILING DATE: 2000-12-14
; PRIOR APPLICATION NUMBER: 10/028,248
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,619
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 10/136,071
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 60/289,087
; PRIOR FILING DATE: 2001-05-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 339
; SOFTWARE: Curasequest version 0.1
; SEQ ID NO 170
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Domain
US-10-454-246-170

Query Match 99.5%; Score 2106; DB 5; Length 381;
Best Local Similarity 99.5%; Pred. No. 2.2e-161;
Matches 379; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLPAKCAPGVGLVRDGGCCCKVCAKQL 60
DB 1 MSSRIARALAVVTLHLTRALSTCPAACHCPLPAKCAPGVGLVRDGGCCCKVCAKQL 60
QY 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCKHQ 120
DB 61 NEDCSKTQPCDHTKGLCNFGASSTALXGICRAQSEGRPCETNSRIYONGSFQPNCKHQ 120
QY 121 CTCIDGAVGCIPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVCDESDIKDPMEDQDGLG 180
DB 121 CTCIDGAVGCIPLCPQELSLPNLGCNPNRLVKVTGQCCSEWVCDESDIKDPMEDQDGLG 180

Qy	181	KELGFDASVELTRNNELIAVGKSGSLKRLPVFGMEPRILYNPLQGQKCIQVTTWSQGS	240
Db	181	KELGFDASVELTRNNELIAVGKSGSLKRLPVFGMEPRILYNPLQGQKCIQVTTWSQGS	240
Qy	241	KTCGTGISTRVNDNPECLVKETRICBVRPCGGPVYSSLKKGKCSKTCKSPPEPVRFY	300
Db	241	KTCGTGISTRVNDNPECLVKETRICBVRPCGGPVYSSLKKGKCSKTCKSPPEPVRFY	300
Qy	301	AGCLSVKCYRKYCGSCVDGRCCCTPQLTRTVKTRFCRDEGETTFSKNVMIQSCCKYNCP	360
Db	301	AGCLSVKCYRKYCGSCVDGRCCCTPQLTRTVKTRFCRDEGETTFSKNVMIQSCCKYNCP	360
Qy	361	HANEAAFPFYRLFNDIHKFRD	381
Db	361	HANEAAFPFYRLFNDIHKFRD	381

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RESULT 14
US-10-454-246-172
; Sequence 172, Application US/10454246
; Publication No. US20050053930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 B
; CURRENT APPLICATION NUMBER: US/10/454,246
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/218,903
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 10/016,248
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/255,648
; PRIOR FILING DATE: 2000-12-14
; PRIOR APPLICATION NUMBER: 10/028,248
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,619
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 10/136,071
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 60/289,087
; PRIOR FILING DATE: 2001-05-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 339
; SOFTWARE: Curaseq1est version 0.1
; SEQ ID NO 172
; LENGTH: 381
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Domain
US-10-454-246-172

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	Query Match	Best Local Similarity	99.5% Matches 379; Conservative	Score 2106; Pred. No. 2.2e-161; 1; Mismatches 1; Indels 0; Gaps 0;	DB 5; Length 381;
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Db	1	MSSRIARALAVVTLHL	TRIALSTCPAACHPLEAPKAPGVGLVRDGCCKVC	AKGL 60	
Qy	61	NEDCSKTQPCDHTKGL	CNFGASSTALXGI CRAOSEGRPCBYNSRIYQNGSF	FPNCHQ 120	
Db	61	NEDCSKTQPCDHTKGL	CNFGASSTALXGI CRAOSEGRPCBYNSRIYQNGSF	FPNCHQ 120	
Qy	121	CTCIDGAVGCILPCFQEL	SLNLGCPNRLVKVTQCCBEWVCDEDSIKDPMEDODGLG	180	
Db	121	CTCIDGAVGCILPCFQEL	SLNLGCPNRLVKVTQCCBEWVCDEDSIKDPMEDODGLG	180	

Qy	181	KELGFDASEVELTRNNELIAVGKGRSLKRLPVFGMEPRILYNPLOGQKCI VOTTSWSQCS	240
Db	181	KELGFDASEVELTRNNELIAVGKGRSLKRLPVFGMEPRILYNPLOGQKCI VOTTSWSQCS	240
Qy	241	KTCGTGISTRVTNNDPECLRVKETRI CEVRPCGQPVYSSLKKGKCSKTKGSPPEPVRFY	300
Db	241	KTCGTGISTRVTNNDPECLRVKETRI CEVRPCGQPVYSSLKKGKCSKTKGSPPEPVRFY	300
Qy	301	AGCLSVKKYRPKYCGSGVDGRCCCTPQLTRTVKGRFCEDGETFSKNVMMIQSKCKNYNCP	360
Db	301	AGCLSVKKYRPKYCGSGVDGRCCCTPQLTRTVKGRFCEDGETFSKNVMMIQSKCKNYNCP	360
Qy	361	HANEAAAPFFYRLFNDIHKFRD	381
Db	361	HANEAAAPFFYRLFNDIHKFRD	381

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RESULT 15
US-10-454-246-152
; Sequence 152, Application US/10454246
; Publication No. US20050053930A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS OF USE
; FILE REFERENCE: 21402-589 B
; CURRENT APPLICATION NUMBER: US/10/454,246
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/218,903
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 10/016,248
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: 60/255,648
; PRIOR FILING DATE: 2000-12-14
; PRIOR APPLICATION NUMBER: 10/028,248
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,619
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 10/044,564
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: 60/261,013
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 10/136,071
; PRIOR FILING DATE: 2002-05-01
; PRIOR APPLICATION NUMBER: 60/289,087
; PRIOR FILING DATE: 2001-05-07
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 339
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 152
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Domain
US-10-454-246-152

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Query Match	99.5%	Score 2106;	DB 5;	Length 386;
Best Local Similarity	99.5%	Pred. No. 2.2e-161;		
Matches 379;	Conservative 1;	Mismatches 1;	Indels 0;	Gaps 0;

Qy	1	MSRRIAPALALVTLHLTRLALSTCPAA	CHCPLEAPKCAPGVLVRDGGCCCKVCAKQL	60
Db	4	MSRRIAPALALVTLHLTRLALSTCPAA	CHCPLEAPKCAPGVLVRDGGCCCKVCAKQL	63
Qy	61	NEDCSKTQPCDHTKGLCNFGAS	TALKGICRAQSEGRPCPEYNSRIYQNGESFPNCOHQ	120
Db	64	NEDCSKTQPCDHTKGLCNFGAS	TALKGICRAQSEGRPCPEYNSRIYQNGESFPNCKHQ	123
Qy	121	CTCIDGAVGCIPLCPQBELSLPNLGC	PNRLVKVTGQCCEWVCDEDSIKDPMEDQDGLLG	180

Db	124	CTCIDGAVGCIPLCPOELSLPNI	GCNPRLVKITGQCCEWVCDEDSIXDPMEDQDGLLG	183
Qy	181	KELGPDASEVELTRNNELI	AVGKRSIKLPLVFGMEPRILYNPLQKQKCI	VOTTSWSQCS 240
Db	184	KELGPDASEVELTRNNELI	AVGKRSIKLPLVFGMEPRILYNPLQKQKCI	VOTTSWSQCS 243
Qy	241	KTCGTGISTRVTNDNPE	CRIVKETRICEVRPCGQPVYSSIKKGGKCK	SKTKKSPPEVRPTY 300
Db	244	KTCGTGISTRVTNDNPE	CRIVKETRICEVRPCGQPVYSSIKKGGKCK	SKTKKSPPEVRPTY 303
Qy	301	AGCLSVKCYRKYCGSCVD	GRCTPOLTITVXRFRCEDETFPSKNVMMIQ	CKCNYNCP 360
Db	304	AGCLSVKCYRKYCGSCVD	GRCTPOLTITVXRFRCEDETFPSKNVMMIQ	CKCNYNCP 363
Qy	361	HANEAAFPFYRLFNDIHK	FRD	381
Db	364	HANEAAFPFYRLFNDIHK	FRD	384

Search completed: January 24, 2006, 11:38:23
Job time : 116 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 24, 2006, 11:27:57 / Search time 30 Seconds
(without alignments)
128.705 Million cell updates/sec

Title: US-10-053-753A-4
Perfect score: 2116
Sequence: 1 MSSRIARALALVVTLLHLTR.....ANEAPFPYRLFNDIHKFRD 381

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 70609 seqs, 10134256 residues

Total number of hits satisfying chosen parameters: 70609

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA_New:
1: /cgn2_6/prodata/1/pubaa/US08_NEW_PUB.pdb:
2: /cgn2_6/prodata/1/pubaa/US07_NEW_PUB.pdb:
3: /cgn2_6/prodata/1/pubaa/US06_NEW_PUB.pdb:
4: /cgn2_6/prodata/1/pubaa/PCT_NEW_PUB.pdb:
5: /cgn2_6/prodata/1/pubaa/US05_NEW_PUB.pdb:
6: /cgn2_6/prodata/1/pubaa/US10_NEW_PUB.pdb:
7: /cgn2_6/prodata/1/pubaa/US11_NEW_PUB.pdb:
8: /cgn2_6/prodata/1/pubaa/US60_NEW_PUB.pdb:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	948.5	44.8	348	7 US-11-067-121-5	Sequence 5, Appli
2	947	44.8	349	7 US-11-067-121-14	Sequence 14, Appl
3	947	44.8	397	6 US-10-821-234-1020	Sequence 1020, Ap
4	923.5	43.6	322	7 US-11-067-121-15	Sequence 15, Appl
5	851	40.2	317	7 US-11-094-519A-38	Sequence 38, Appl
6	523.5	24.7	250	6 US-10-131-826A-320	Sequence 320, App
7	404.5	19.1	166	7 US-11-094-519A-47	Sequence 47, Appl
8	211	10.0	74	7 US-11-094-519A-46	Sequence 46, Appl
9	173.5	8.2	1620	6 US-10-055-877-213	Sequence 213, App
10	170.5	8.1	1036	6 US-10-131-826A-142	Sequence 142, App
11	169	8.0	1664	7 US-10-055-877-212	Sequence 212, App
12	168.5	8.0	1028	7 US-11-067-121-7	Sequence 7, Appli
13	158	7.5	1547	6 US-10-453-372-886	Sequence 886, App
14	158	7.5	1577	6 US-10-055-877-54	Sequence 54, Appl
15	158	7.5	1577	6 US-10-453-372-882	Sequence 882, App
16	158	7.5	1577	6 US-10-453-372-884	Sequence 884, App
17	158	7.5	1620	6 US-10-453-372-868	Sequence 868, App
18	158	7.5	1653	6 US-10-453-372-866	Sequence 866, App
19	157.5	7.4	1018	7 US-11-067-121-17	Sequence 17, Appl
20	157.5	7.4	1594	6 US-10-453-372-860	Sequence 860, App
21	153	7.2	1574	6 US-10-055-877-211	Sequence 211, App
22	152	7.2	2107	6 US-10-055-877-827	Sequence 827, App
23	152	7.2	2480	6 US-10-055-877-825	Sequence 825, App
24	152	7.2	3116	6 US-10-055-877-826	Sequence 826, App
25	148.5	7.0	1418	6 US-10-453-372-864	Sequence 864, App

26	144.5	6.8	1450	6 US-10-055-877-48	Sequence 48, Appl
27	144.5	6.8	1450	6 US-10-453-372-874	Sequence 874, App
28	141	6.7	5179	7 US-11-108-172-1068	Sequence 1068, Ap
29	139.5	6.6	1198	6 US-10-453-372-880	Sequence 880, App
30	138.5	6.5	451	6 US-10-063-703-82	Sequence 82, Appl
31	138.5	6.5	451	7 US-11-102-240-82	Sequence 82, Appl
32	137.5	6.5	1504	7 US-11-019-711-98	Sequence 98, Appl
33	137	6.5	452	7 US-11-186-284-79	Sequence 79, Appl
34	136	6.4	969	6 US-10-055-877-214	Sequence 214, App
35	133	6.3	2764	6 US-10-055-877-691	Sequence 691, App
36	133	6.3	2813	6 US-10-055-877-688	Sequence 688, App
37	133	6.3	2919	6 US-10-821-234-1133	Sequence 1133, Ap
38	132	6.2	1398	6 US-10-053-877-46	Sequence 46, Appl
39	132	6.2	1398	6 US-10-453-372-872	Sequence 872, App
40	132	6.2	1403	6 US-10-055-877-52	Sequence 52, Appl
41	132	6.2	1403	6 US-10-453-372-878	Sequence 878, App
42	132	6.2	1404	6 US-10-055-877-44	Sequence 44, Appl
43	132	6.2	1404	6 US-10-453-372-870	Sequence 870, App
44	130	6.1	1170	6 US-10-831-997-2	Sequence 2, Appl
45	130	6.1	1170	6 US-10-055-877-594	Sequence 594, App

ALIGNMENTS

RESULT 1

US-11-067-121-5
; Sequence 5, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-067-121-5

Query Match	44.8%	Score 948.5	DB 7	Length 348
Best Local Similarity	46.3%	Pred. No. 7.3e-75		
Matches 177	Conservative 58	Mismatches 106	Indels 41	Gaps 8
QY	1	MSSRIARALALVVTLLHL-TRIAL-STCPAACHCPLP-APKCAPGVGLVDRGCGCKVCA	57	
Db	1	MLASVAGPISLALVLLALCTPATQDCSAQCAAEAPHPAGVSLVLDGCGCRVCA	60	
QY	58	KOLNEDCKTOPCDHTKGLCNFGASSTALKGICRAQSGRCPCEVNSRYONGESFPNC	117	
Db	61	KQLGELCTERDPCDHPKGLFCDFGSPANKIGVCTAK-DGAPCVFGSVYRGESFQSSC	119	
QY	118	QHCCTCIDGAVGICPLCPQELSLPNLGCNPNLKVYTGCCBEWVDEDSIKDPMEDQDG	177	
Db	120	KYQCTCLDAGVGVPLCSMDVRLPSPDPPRRVKLPKCKCKEWVDEP-----	168	
QY	178	LLGKELGFDASEVETRNELLIAVKGKSLKEL-PVFGMEPRILYNPLQGCKIVOTTSW	236	
Db	169	-----KDRTAAGVAPALAAAYLEDTFGDPDTMM-----RANCLVQTTSW	205	
QY	237	SQCKTCTGIGLSTRVTNDNPECLVKETRICVRPCGQPVYSSLLKGGKCKSTKKSPPRV	296	
Db	206	SACSKTCGIGLSTRVTNDNTPCLRKQSLQVRCPEADLEENIKGKCKCTPTPKIAKDV	265	
QY	297	RFTYAGCLSKVKYRPKYCGSCVDGRCCTPQLTRTVKMRFCRBDGTFKSNVMMIOSCKCN	356	

```

Db      266 KFEISGGTSVYTRAKCGVCTDGRCTPHRTTLPVEFKCPDGEIMKKNMFIKTCACH 325
Qy      357 YNCPHANEAPPPY--RLFNDI 376
Db      326 YNCPGDNDFESLYRKYGM 347

RESULT 2
US-11-067-121-14
; Sequence 14, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-121-14

```

```

Query Match      44.8%; Score 947; DB 7; Length 349;
Best Local Similarity 46.6%; Pred. No. 9.8e-75;
Matches 174; Conservative 58; Mismatches 101; Indels 40; Gaps 8;

Qy      9 LALVTLHLTRLAL-STCPAAACHCPLE-APKCAPGVGLVRDGGCGCKYCAKQLNEDCSK 66
Db      11 VAFVLLALCSRPAVQNGSGPCRCDEPAPRCFAGVSLVLDGCGCCRYCAKQLGELCTE 70
Qy      67 TOPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNSRIYONGESFPQNCQHOCTCIDG 126
Db      71 RDCPDHKGFLCFDFGSPANRKGIVCTAK-DGAPCFIGGVTVYRSGESFQSSCKYQCTCLDG 129
Qy      127 AVGCIPLCPOELSLPVLGCPNRLVKVTGQCCEWVCDESDIKDPNMDQDGLLKGELGPD 186
Db      130 AVGCMPLCSDMDVRLSPDCPPFRVRVLPKGCCEWVCDEP-----KQD----- 172
Qy      187 ASVELTRNNELIAVGKGRSLKRL-PVFGMEPRILYNPLOGQKCIQVTTSMWQCSKTCCT 245
Db      173 -----TVVGPALAAVRLDTFGDPPTMI-----RANCLVQTTEWSACSCKTCGM 215
Qy      246 GISTRVTNDNPECLRVKTRICEVRPCGPVYSSLLKGGKCKTKKSPPEPVFTVAGCLS 305
Db      216 GISTRVTNDNASCRLEKQSLCNVRCEADLEENIKGKKCIPTPKISKPIKFSLGCTTS 275
Qy      306 VKYRPPKYGSCVDCRCCTPQTLTRVYKMFRCEDGETFSKNVMMIOSCKNVCNCPHANE 365
Db      276 MITYRAKFCGVCTDGRCTPHRTTLPVEFKCPDGEVMMKNMFIKTCACHNCPGDNDI 335
Qy      366 APPFY--RLFNDI 376
Db      336 FESLYRKYGM 348

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```

RESULT 3
US-10-821-234-1020
; Sequence 1020, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Suan
; APPLICANT: Tang, Y. Tom

```

```

; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_SEQ_genes Version 1.0
; SEQ ID NO 1020
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1020

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```

Query Match      44.8%; Score 947; DB 6; Length 397;
Best Local Similarity 46.6%; Pred. No. 1.1e-74;
Matches 174; Conservative 58; Mismatches 101; Indels 40; Gaps 8;

Qy      9 LALVTLHLTRLAL-STCPAAACHCPLE-APKCAPGVGLVRDGGCGCKYCAKQLNEDCSK 66
Db      59 VAFVLLALCSRPAVQNGSGPCRCDEPAPRCFAGVSLVLDGCGCCRYCAKQLGELCTE 118
Qy      67 TOPCDHTKGLCNFGASSTALKGICRAQSEGRPCYNSRIYONGESFPQNCQHOCTCIDG 126
Db      119 RDCPDHKGFLCFDFGSPANRKGIVCTAK-DGAPCFIGGVTVYRSGESFQSSCKYQCTCLDG 177
Qy      127 AVGCIPLCPOELSLPVLGCPNRLVKVTGQCCEWVCDESDIKDPNMDQDGLLKGELGPD 186
Db      178 AVGCMPLCSDMDVRLSPDCPPFRVRVLPKGCCEWVCDEP-----KQD----- 220
Qy      187 ASVELTRNNELIAVGKGRSLKRL-PVFGMEPRILYNPLOGQKCIQVTTSMWQCSKTCCT 245
Db      221 -----TVVGPALAAVRLDTFGDPPTMI-----RANCLVQTTEWSACSCKTCGM 263
Qy      246 GISTRVTNDNPECLRVKTRICEVRPCGPVYSSLLKGGKCKTKKSPPEPVFTVAGCLS 305
Db      264 GISTRVTNDNASCRLEKQSLCNVRCEADLEENIKGKKCIPTPKISKPIKFSLGCTTS 323
Qy      306 VKYRPPKYGSCVDCRCCTPQTLTRVYKMFRCEDGETFSKNVMMIOSCKNVCNCPHANE 365
Db      324 MITYRAKFCGVCTDGRCTPHRTTLPVEFKCPDGEVMMKNMFIKTCACHNCPGDNDI 383
Qy      366 APPFY--RLFNDI 376
Db      384 FESLYRKYGM 396

```

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RESULT 4
US-11-067-121-15
; Sequence 15, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 0400489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-067-121-15

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```

Query Match      43.6%; Score 923.5; DB 7; Length 322;
Best Local Similarity 44.9%; Pred. No. 9.6e-73;
Matches 167; Conservative 53; Mismatches 87; Indels 65; Gaps 6;

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Db 18 LSKVRLQCTCTCWPFRPLGLVPLVDGGCCRCVRLGSECDQLRHVCDASQGLV 77
QY 78 CNFGASSTALKIGICRAQSEGRPEYNSRIYQNGESFPQNCQHQCTCIDGAVGICPLCPQE 137
Db 78 COPGAGPGGRGALCLLAEDSSCEVNGRLYREGTFQPHCSIRCEDGGFTCVPLCSED 137
QY 138 LSLPNLGNCPNRLVKVTCGCCSEWVCDSDSIKDPMEDQDGLLKGELGFPDASEVELTRNNE 197
Db 138 VRLPSWDCPHPRRVEVLGKCCPEWVCGQ----- 165
QY 198 LIAVGRSLKPLPVFGMEPRILYNPL-OGQKCIYQTTSMSCSTCGTGISTRTVNDNP 256
Db 166 -----GGGLGTQPLAQGPQPSGLVSLPPEVPCPEWSTAWGPCSTTCGLGMATRVSNQR 221
QY 257 ECLVKEIRICVRPC 272
Db 222 FCRLETRRLCLSRPC 237

RESULT 7

US-11-094-519A-47
; Sequence 47, Application US/11094519A
; Publication No. US20050281810A1
; GENERAL INFORMATION:
; APPLICANT: BERNSTEIN, Jeanne
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: VARIANTS OF ALTERNATIVE SPLICING
; FILE REFERENCE: 2786-0140P
; CURRENT APPLICATION NUMBER: US/11/094,519A
; CURRENT FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: US/09/695,293
; PRIOR FILING DATE: 2000-10-25
; PRIOR APPLICATION NUMBER: IL 132558
; PRIOR FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-094-519A-47

Query Match 19.1%; Score 404.5; DB 7; Length 166;
Best Local Similarity 50.7%; Pred. No. 2.5e-28;
Matches 73; Conservative 25; Mismatches 43; Indels 3; Gaps 3;
QY 9 LALVVTLLHLRLAL-STCPAACHCPLP-APKCAPGVGLVRDGGCCCKVCAKQINEDCSK 66
Db 11 VAFVVLALCSRPAVGQNCSPFCRCPDEPAPRCAGVSLVDGGCCRCVCAKQIGELCTE 70
QY 67 TOPCDHTKGLCNFGASSTALKIGICRAQSEGRPEYNSRIYQNGESFPQNCQHQCTCIDG 126
Db 71 RDPDCHPKGLFCDFGSPANRIGVCTAK-DGAPCIFGTGTVRSGESFQSSCKYQCTCLDG 129
QY 127 AVGCIPCLPQSLSLNLGCPNRL 150
Db 130 AVGCMLPCMDVRLFPSPDCPPFSL 153

RESULT 8

US-11-094-519A-46
; Sequence 46, Application US/11094519A
; Publication No. US20050281810A1
; GENERAL INFORMATION:
; APPLICANT: BERNSTEIN, Jeanne
; APPLICANT: LEVINE, Zurit
; TITLE OF INVENTION: VARIANTS OF ALTERNATIVE SPLICING
; FILE REFERENCE: 2786-0140P
; CURRENT APPLICATION NUMBER: US/11/094,519A
; CURRENT FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: US/09/695,293
; PRIOR FILING DATE: 2000-10-25

; PRIOR APPLICATION NUMBER: IL 132558
; PRIOR FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-094-519A-46

Query Match 10.0%; Score 211; DB 7; Length 74;
Best Local Similarity 46.6%; Pred. No. 5e-12;
Matches 34; Conservative 14; Mismatches 23; Indels 2; Gaps 1;
QY 306 VKYRPKYCGSCVDRCCCTPQLTRTVKRFCEDEGETSKVMMTIOSCKNVCNCPHNEA 365
Db 1 MKYTRAFPGVCTDGRCCCTPHRTTLPLVEFKPCDGEVNMKNMFIKTCAHCNCPGDNDI 60
QY 366 APPFY--RLFNDI 376
Db 61 PESLYYRKMYGDM 73

RESULT 9

US-10-055-877-213
; Sequence 213, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: Decristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zehnueen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eissen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgarthner, Jason
; APPLICANT: Shimkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ferenc
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26


```

; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 213
; LENGTH: 1620
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-055-877-213

Query Match      8.2%; Score 173.5; DB 6; Length 1620;
Best Local Similarity 24.2%; Pred. No. 2.6e-07;
Matches 92; Conservative 33; Mismatches 146; Indels 109; Gaps 21;

QY 26 CPAACHCPLAEP-----KCAPG-----VGLVRDGGCCCKVCAQLNEDCSK 66
DB 1052 CKGICSCQNGATCDSVTSCGCRPGWRGKKCDRPPDG--RFGECNAICDCTTNDTSM 1109
QY 67 TOP-----CDHTKGLCNFGASSTALKGICRAQSEGRPCYNRIYQNGSEFPNCHQCT 122
DB 1110 YNPFVARDHVTG-ECR-----CPAGWTGPDQOTSCPLGRHGE---GCRHSCQ 1153
QY 123 CIDGAVGICPLCPQLSLPNLGCPNPLRVKVTGQCCEWVCDSDSIKDPMEDQDGLLKE 182
DB 1154 CSNGA-----SCDRVTGP--CDCPSGFMGNKCESECPGLMGSNCMKHCLCHMIGECNKE 1206
QY 183 LGFDASEVELTNNELIAVGKRSLSKRLPVFGMEPRILYNPLQGGKCIQVOT-----TSW 236
DB 1207 NG-----DCSICDGTGTPSLCPFGQFGNCAQRCNCKNGASCDRKTGRCECLPQW 1256
QY 237 S--QCKTKGTGTRVTDNPNPECLRVKTRICEVRPCGQPVYSSLK-----KGKCKSKT 289
DB 1257 SGHECKSVSG-----HYGAKC---EETCEGALCDPISGHCSQCPGWRGKKCNRP 1307
QY 290 KKSPEPVFTAGCLSVKRYRKYCG-----SC---VDRCTTPOLTRIVVRFDE 338
DB 1308 -----CL--KGYFGRHCSQRCANCSKSDHISGRQCQPKGYAGHSCTELCP 1352
QY 339 DGETFSKNVMMIQCKCNVN 358
DB 1353 DG-TFGESCS--QKCDGSEN 1369
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RESULT 10
US-10-131-826A-142
; Sequence 142, Application US/10131826A
; Publication No. US20050245730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```

; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C128
; CURRENT APPLICATION NUMBER: US/10/131,826A
; CURRENT FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 142
; LENGTH: 1036
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-826A-142
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Query Match      8.1%; Score 170.5; DB 6; Length 1036;
Best Local Similarity 20.9%; Pred. No. 2.8e-07;
Matches 85; Conservative 45; Mismatches 120; Indels 157; Gaps 23;

QY 30 CHCPLAPKCAP-----GVGLVRD--GCCKVCAQLNEDCSKTQP-----CD 71
DB 530 CECRPRPKCRPIICDKYCPGLLKNKHGCDICR-CKKCPBLSCSKICPLGFPQDSDHGL 588
QY 72 HTKLECNFGASSTALKGICRAQSEGRPCYNRIYQNGSEFPNCHQCTCIDGAVGC- 130
DB 589 ICKCREASASAGPILSGTC-----LTVGDHGHKNVESWHGDCR--ECYCLNGREWCA 639
QY 131 IPLCPQLSLPNLGCPNPLRVKVTGQCCEWVCDSDSIKDPMEDQDGLLKGELGPDASEV 190
DB 640 LITCP-----VP--ACGNPTI--HFGQCCPS--CADD-----PVVQKP 671
QY 191 ELTRNNELIAVGKRSLSKRLPVFGMEPRILYNPLQGGKCIQVOTTSW-----SQCKTKGT 245
DB 672 ELS-----TPSICHAP--GGYFVEGETWNIDSTQC--TCHS 705
QY 246 GISTRVTDNPNPECLRVKTRICEVRPC-----GQPVYSSLKKGKCKSKTK 290
DB 706 G-----RVLCETEVCPLLCQNPSTQDSCPCQTDQPPRPSLSRNNNSVPNYC 753
QY 291 KSPPEPVFTAGCLSVKRYRKYCGSV-----DGRCTTPQ 326
DB 754 KNDEGDIF-----LAESWKPDDVCTSCICIDSVLSCPSVSCERPVLRKGCCPYC 808
QY 327 LTRTVKRFRCB-DGETFSKNVMM-IQCKKNY-----NCP 360
DB 809 IEDTIPKKVCHFGSKAYADERWDLDSCTCHYCLQGOTLCTVSCP 855
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```

RESULT 11
US-10-055-877-212
; Sequence 212, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: DeCristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
```

APPLICANT: Tchernev, Velizar
APPLICANT: Zhong, Mei
APPLICANT: Anderson, David
APPLICANT: Ballinger, Robert
APPLICANT: Gerlach, Valerie
APPLICANT: Spytek, Kimberly
APPLICANT: Ratelli, Luca
APPLICANT: Kekuda, Ramesh
APPLICANT: Guo, Xiaojia
APPLICANT: Zerhusen, Bryan
APPLICANT: Andrew, David
APPLICANT: Mezes, Peter
APPLICANT: Patturajan, Meera
APPLICANT: Burgess, Catherine
APPLICANT: Eiseh, Andrew
APPLICANT: Wolenc, Adam
APPLICANT: Baumgartner, Jason
APPLICANT: Shimkets, Richard
APPLICANT: Gusev, Vladimir
APPLICANT: Vernet, Corine
APPLICANT: Taupier Jr., Raymond
APPLICANT: Pena, Carol
APPLICANT: Shenoy, Suresh
APPLICANT: Li, Li
APPLICANT: Caeman, Stacie
APPLICANT: Boldog, Ferenc
TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
FILE REFERENCE: 21402-251
CURRENT APPLICATION NUMBER: US/10/055,877
CURRENT FILING DATE: 2002-01-22
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-19
PRIOR FILING DATE: 2001-01-23
PRIOR FILING DATE: 2001-01-23
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-24
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2001-01-26
PRIOR FILING DATE: 2001-01-26
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-03-02
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
PRIOR FILING DATE: 2001-03-14
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 512
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 212
LENGTH: 1664
TYPE: PRT
ORGANISM: Caenorhabditis elegans
US-10-055-877-212

Query Match 8.0%; Score 169; DB 6; Length 1664;
Best Local Similarity 24.3%; Pred. No. 6.4e-07;
Matches 93; Conservative 34; Mismatches 144; Indels 112; Gaps 22;
26 CPAACHCFLAP-----KCAPG-----VGLVRDGGCKVKCAKQLNEDCSK 66
985 CKGICQNGATCDSVTSCCEGFRGKCKDRPCPDG--RFGGCAICDCTTNDTSM 1042
67 TOP-----CDHTKGLNCFNFGASTALKGICRAQSEGRPCENRYQGESFPNCOHQCT 122
1043 YNPFVARDHTVG-ECR-----CPAGWTGPDQCTSCPLGRHGE-----GCRHSQC 1086
123 CIDGAVGICPLCPQLSLPNLGNPNLVKVTGQCCCEWVDESDIKDPMEDQGLLQKE 182

Db 1087 CSNGA-----SCDRVTGF--CDPSGFMGKNCEBCEPGLMGSNCKHCLCHGGECKNK 1139
QY 183 LGPDASEVELTRNNELIATVAGKRSIKRLPVFGMEPRIL---YNPLQGGKCIIVQT----- 233
Db 1140 NG-----DCECIDGWTGSPCEFLCPFGQGRNCAQRCNCKNGASCARDKRTGRCECL 1189
QY 234 TSWs--QCSKTCGTGISTRTVNDNPECLRVKTRICEVRPCQGPVYSLK-----KGKCK 286
Db 1190 PWSGEHCSEKSCVSG-----HYGAKC---BETCECENGALCDPISGHSCSQPGWRGKCK 1240
QY 287 SKTKKSPPEVFTYAGCLSVKKYRPKYCG-----SC---VDRCTTPOLITVTVWRF 335
Db 1241 NRP-----CL--KGYFRHCSQSCRCANSKSCDHISGRQCQPKGYAGHSCTE 1285
QY 336 RCEDETFPSKNVMIQSCKKNYN 358
Db 1286 LCPDG-IFGESCS--QKDCGGEN 1305

RESULT 12
US-11-067-121-7
; Sequence 7, Application US/11067121
; Publication No. US20050261185A1
; GENERAL INFORMATION:
; APPLICANT: Martijn, Cecile
; APPLICANT: Rondahl, Lena
; TITLE OF INVENTION: THERAPEUTIC PROTEINS
; FILE REFERENCE: 18909-002001
; CURRENT APPLICATION NUMBER: US/11/067,121
; CURRENT FILING DATE: 2005-02-25
; PRIOR APPLICATION NUMBER: US 60/576,445
; PRIOR FILING DATE: 2004-06-02
; PRIOR APPLICATION NUMBER: SE 04000489-1
; PRIOR FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1028
; TYPE: PRT
; ORGANISM: Mus musculus
US-11-067-121-7

Query Match 8.0%; Score 168.5; DB 7; Length 1028;
Best Local Similarity 21.5%; Pred. No. 4.2e-07;
Matches 92; Conservative 43; Mismatches 132; Indels 161; Gaps 24;
QY 16 LHLRLALSTCP-----AACHCFLAPKCAP-----GVGLVRD--GGCCCKVC 56
Db 497 LGLKRACTLDPCFGFLTDVHNCCLQCRRPKKCRPTMCDKFCPLGLKKNHGGCDICR-C 555
QY 57 AKQLNEDCSKTQP-----CDHTKGLNCFNFGASTALKGICRAQSEGRPCENRY 107
Db 556 KKPCLPCKICPLGFOODSHGCLICKREVPSAGPPVLSGTCLSM-----DGHH 607
QY 108 QNGESFPNCOHQCTCIDGAVGC--IPLCPQLSLPNLGNPNLVKVTGQCCCEWVDESD 166
Db 608 KNESEWHDGCR-ECYCHNGKEMCALITCP---VPACGNPTIR---SGQCCPS--CTDD 656
QY 167 SIKDPMEDQGLLKGELGFDASEVELTRNNELIATVAGKRSIKRLPVFGMEPRILYNPLOG 226
Db 657 -----FVQKPELS-----TFSICHAP--G 674
QY 227 QKCIQVTTSM-----SQSKTCGTGISTRTVNDNPECLRVKTRICEVRPCQGPVYSLK 281
Db 675 GEVFEGETWNIDSTQC--TCHSG-----RVLCEVEGPPILQNPSTQDS 720
QY 282 KGKCKSKTKKSPBPV-----RFTYAGC-----LSVKYRPKYCGSCV----- 318
Db 721 CCQC--TDDPPQPSSTSHNESVPSYCRNDEGDIPLAAESMKPDACTSCVCVDSAISCYSE 778
QY 319 -----DGRCTPQLTRTVKMRFRCEB-DGETFSKNVM-IQSKCKNY----- 357
Db 779 SCPSVACERPLVRKGQCCPYCLEDTTIPKKVVFSGKTYADERWIDSDIDSCYCLQGGT 838

QY 358 -----NCP 360
| : |
Db 839 LCSTVSCP 846

RESULT 13

US-10-453-372-886
; Sequence 886, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 886
; LENGTH: 1547
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-886

Query Match 7.5%; Score 158; DB 6; Length 1547;
Best Local Similarity 24.0%; Pred. No. 5.3e-06;
Matches 88; Conservative 17; Mismatches 134; Indels 128; Gaps 22;
QY 26 CPAACHCPLKAPKAPGVGLVRDGGCGCKVKCAQLNEDCKTOP-----CDHTKGLBC 78
Db 1193 CAQMCCQGENPACHPAT-----GTCSAAGYHGPFSCQRCPPRGYFGCEQLCG--C 1243
QY 79 NFGASSTALKGICRAOSEGRPCYNSRIYQNGESFQPCQHQCITCDGAVGCI-----L 133
Db 1244 LNGGSCDAATGACRCPTGFLGTDNLCTPQG--RFGPNCTHVCGCQGA-ACDPVTGTCL 1300
QY 134 CQQLSLP-----NLGCPNPLVKVTGQCCEWV-CDSDIKDPMEDQDGLLKGELDP 185
Db 1301 CP-----PGRAGVRCRGCPQNR-----GVGCEHTCSCRNGGL---CHASNGSCSGLGLW 1348
QY 186 DASEVELTRNNELIAGKRSGLKRLPVFGMEPRILYNPLQGQKIVOTT--SWSQCKTC 243
Db 1349 TGRHCSL-----ACPPGR-----YGAACHLECSCHNSTCEPAT 1382
QY 244 GTGISTRVTNDNPECLVKEETRICVVRPCGQPPYSSLKKGKCKTKKSPBPVRFYIAC 303
Db 1383 GT-----CR-----CGPGY-----GQAC-----EHPCPPGFGASC 1409
QY 304 LSVKVRPKYCGSC-----VDGRCTPOLTRTVNRFRACEGTFPSKNVMIQSC 353
Db 1410 Q-----GLCWQHGAQPCDPIISGRCLCPAGFHGFCERGCEPG-SFGEGCH--QRC 1456

QY 354 KQYNCP 360
| : |
Db 1457 DCDGGAP 1463

RESULT 14

US-10-055-877-54
; Sequence 54, Application US/10055877
; Publication No. US20050288241A1
; GENERAL INFORMATION:
; APPLICANT: DeCristofaro, Marc
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Miller, Charles
; APPLICANT: Tchernev, Velizar
; APPLICANT: Zhong, Mei
; APPLICANT: Anderson, David
; APPLICANT: Ballinger, Robert
; APPLICANT: Gerlach, Valerie
; APPLICANT: Spytek, Kimberly
; APPLICANT: Ratelli, Luca
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Guo, Xiaojia
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Andrew, David
; APPLICANT: Mezes, Peter
; APPLICANT: Patturajan, Meera
; APPLICANT: Burgess, Catherine
; APPLICANT: Eisen, Andrew
; APPLICANT: Wolenc, Adam
; APPLICANT: Baumgartner, Jason
; APPLICANT: Shinkets, Richard
; APPLICANT: Gusev, Vladimir
; APPLICANT: Vernet, Corine
; APPLICANT: Taupier Jr., Raymond
; APPLICANT: Pena, Carol
; APPLICANT: Shenoy, Suresh
; APPLICANT: Li, Li
; APPLICANT: Casman, Stacie
; APPLICANT: Boldog, Ference
; TITLE OF INVENTION: Novel Polypeptides and Nucleic Acids Encoded Thereby
; FILE REFERENCE: 21402-251
; CURRENT APPLICATION NUMBER: US/10/055,877
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,598
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/263,799
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: 60/264,117
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,139
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/264,478
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/263,351
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: 60/272,870
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/275,990
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/275,927
; PRIOR FILING DATE: 2001-03-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 512
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 1577
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-055-877-54

Query Match

7.5%; Score 158; DB 6; Length 1577;

Best Local Similarity 24.0%; Pred. No. 5.4e-06;
Matches 88; Conservative 17; Mismatches 134; Indels 128; Gaps 22;
QY 26 CPAACHCPIEAPKCAPGVGLVRDGGCCCKVCAKQLNEDCSKTQP-----CDHTKGLGC 78
Db 1223 CAQMCCPCGENPACHPAT-----GTCSCAAGYHGSPSCQQRCPGRYGPGCEQLCG--C 1273
QY 79 NFGASSTALKGICRAQSEGRPCBYNSRIYQNGESFOPNCOHCTCIDGAVGCIIP-----L 133
Db 1274 LNGGSCDAATGACRCPTGFLGTDCLNLTCPQG--RFGPNCTHVCGCGQGA-ACDPVTGTCL 1330
QY 134 CPOELSLP-----NLGCPNRLVKVTGCCSEWV-CDEDSIKDPMEDODGLLGLKELGP 185
Db 1331 CP-----PGRAGVRCERGCPQNRP-----GVGCEHTCSCNNGSL---CHASNGSCSGLGW 1378
QY 186 DASEVELTRNNELIAGVKGSRSLKRLPVFGMEPRILYNPLQGQKCIQVTT--SWSQCSKTC 243
Db 1379 TGRHCEL-----ACPPGR-----YGAACHLECSCHNNSTCEPAT 1412
QY 244 GTGISTRVTNDNPECHLVKETRICEVRCGPQPVYSLKKGKCKTKKSPPEVRFYAGC 303
Db 1413 GT-----CR-----CGPGFY-----GQAC-----EHPCPPGFHGAGC 1439
QY 304 LSVKRYRKYCGSC-----VDGRCTPQLTRTVKMRFRCEBDGETFSKNVMMIQSC 353
Db 1440 Q-----GLWCQHGAPCDPISGRCLCPAGFHGHFCERGCBPG-SFGEGCH--QRC 1486
QY 354 KQYNVCP 360
Db 1487 DCDGGAP 1493

RESULT 15
US-10-453-372-882
; Sequence 882, Application US/10453372
; Publication No. US2006000323A1
; GENERAL INFORMATION:
; APPLICANT: Alcobrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-589 A
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/919398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 882
; LENGTH: 1577
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-882

Query Match 7.5%; Score 158; DB 6; Length 1577;
Best Local Similarity 24.0%; Pred. No. 5.4e-06;

Matches 88; Conservative 17; Mismatches 134; Indels 128; Gaps 22;
QY 26 CPAACHCPIEAPKCAPGVGLVRDGGCCCKVCAKQLNEDCSKTQP-----CDHTKGLGC 78
Db 1223 CAQMCCPCGENPACHPAT-----GTCSCAAGYHGSPSCQQRCPGRYGPGCEQLCG--C 1273
QY 79 NFGASSTALKGICRAQSEGRPCBYNSRIYQNGESFOPNCOHCTCIDGAVGCIIP-----L 133
Db 1274 LNGGSCDAATGACRCPTGFLGTDCLNLTCPQG--RFGPNCTHVCGCGQGA-ACDPVTGTCL 1330
QY 134 CPOELSLP-----NLGCPNRLVKVTGCCSEWV-CDEDSIKDPMEDODGLLGLKELGP 185
Db 1331 CP-----PGRAGVRCERGCPQNRP-----GVGCEHTCSCNNGSL---CHASNGSCSGLGW 1378
QY 186 DASEVELTRNNELIAGVKGSRSLKRLPVFGMEPRILYNPLQGQKCIQVTT--SWSQCSKTC 243
Db 1379 TGRHCEL-----ACPPGR-----YGAACHLECSCHNNSTCEPAT 1412
QY 244 GTGISTRVTNDNPECHLVKETRICEVRCGPQPVYSLKKGKCKTKKSPPEVRFYAGC 303
Db 1413 GT-----CR-----CGPGFY-----GQAC-----EHPCPPGFHGAGC 1439
QY 304 LSVKRYRKYCGSC-----VDGRCTPQLTRTVKMRFRCEBDGETFSKNVMMIQSC 353
Db 1440 Q-----GLWCQHGAPCDPISGRCLCPAGFHGHFCERGCBPG-SFGEGCH--QRC 1486
QY 354 KQYNVCP 360
Db 1487 DCDGGAP 1493

Search completed: January 24, 2006, 11:39:05
Job time : 31 secs